

REMARKS

The Examiner states that old claims 1-3 and 8-10 are considered to involve an inventive step, complying with PCT Article 33(3), and this is appreciated by the Applicant.

The Examiner alleges that old claims 4 to 11 contain new subject matter, specifically, the feature of “means for pressurizing the volume of fluid during the recovery stroke”, where the volume of fluid is “in the cylinder under the piston”, and the Examiner thus alleges this is not taught by the description. In response, an amended drawing has been submitted where numeral 90 is now correctly referring to the region of the cylinder 26 under the piston 40. This is clearly what numeral 90 was intended to refer to as evidenced by paragraph 22 at page 6 of the Description, which states that as the piston rod 114 moves to the left, “[this] displaces liquid 82 from the cylinder 102 downwardly through the column 92, through the second passageway 34 into the chamber 90 where it acts upwardly against the bottom of piston 40 and pushes the piston upwards in the cylinder 26.” Displaced liquid from column 92 goes through the second passageway 34 to ‘chamber 90’- the second passageway connects from the column 92 to the region of the cylinder under the piston 40. It is thus clear that chamber 90 must refer to the region of the cylinder under the piston 40.

The Examiner alleges that old claims 4 to 11 require the feature “means for storing pressurized liquid connected to the second passageway for storing pressurized liquid displaced from below the piston.” It is submitted that amendments to the new claims have been made to address this feature.

It is further submitted that the formal objections raised by the Examiner have now also been addressed. Specifically, the old claim 4 has been amended in new claim 4 to state that “the pressurized volume of fluid is potential energy that is later converted to kinetic energy to assist in raising the piston on subsequent pumping strokes”. Similarly, where old claim 1 and old claim 8 made mention of “sixth passageway”, there is now only mention of “fifth passageway” in the new claims.

New claims 1-3 are similar to old claims 1-3, with associated above mentioned changes.

New claims 4-6 are similar to old claims 8-10, with new claim 4 incorporating the dependent claims of old claim 8 and associated above mentioned changes.

It is believed that these amendments patentably distinguish the present application over the cited references.

Respectfully submitted,

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